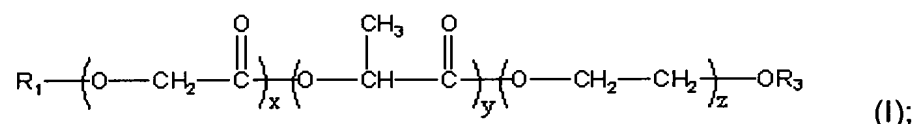


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Amendment dated: June 9, 2006
Reply to OA of: March 10, 2006

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1(currently amended). A biodegradable block copolymer of the following formula (I):



wherein R_1 is ~~hydrogen, or $-C(=O)-R_2$ selected from the group consisting of cholic acid, fatty acid, folic acid and cholesterol; R_2 is C₇₋₃₀ alkyl substituted or unsubstituted with functional groups or hydrogen;~~ R_3 is hydrogen, or C₁₋₆ alkyl; [[and]] x , y or z individually is an integer greater than 0; and said polymer is thermo-sensitive polymer having an LCST ranging from 15°C to 30°C.

2-3(canceled).

4(original). The polymer as claimed in claim 1, wherein said R_3 is methyl.

5(currently amended). The polymer as claimed in claim 1, wherein ~~said R_2 is hydrogen, and~~ said polymer is applied for drug releasing or embolic agents.

Claims 6-7(canceled).

8(currently amended). The polymer as claimed in claim ~~[[2]]~~ 1, wherein x : y : z is 3-18:11-66:4-114.

9(canceled).

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10(original). The polymer as claimed in claim 1, wherein said polymer is
functioned as an embolic agent.